

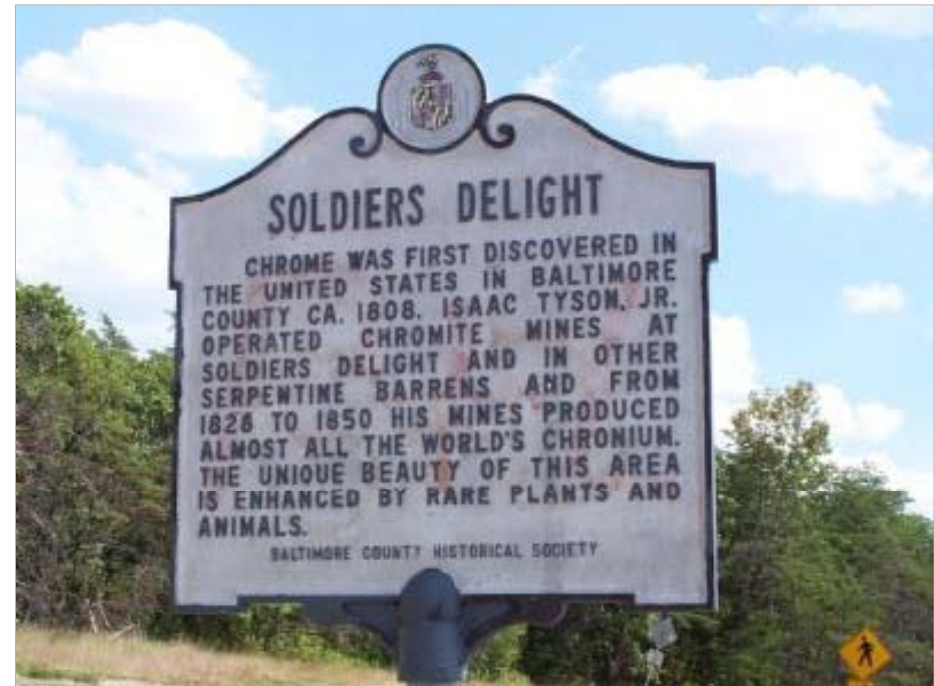
January 8, 2014

Honeywell Presentation Dundalk CMAA Community Working Group

Honeywell

Chromium Manufacturing History

- Isaac Tyson Jr. developed chromium manufacturing in Baltimore in early 19th century
- Tyson built Baltimore Works in ~1845 and sold to Mutual Chemical in 1908
- Largest ore producer in world between 1827 and 1850
- Allied bought Mutual Chemical in 1954
- Allied and Honeywell merged in 1999



Baltimore Inner Harbor – Historical Aerial Photograph





1988

Chrome Production

- 1845 – Operations Began
- 1985 – Plant Closed

Remediation

- 1989 – Consent Decree with EPA and MDE
- 1990 to 1999 – Design and Implementation of Remedy Under Supervision of Regulators
- Ongoing – Operation & Maintenance



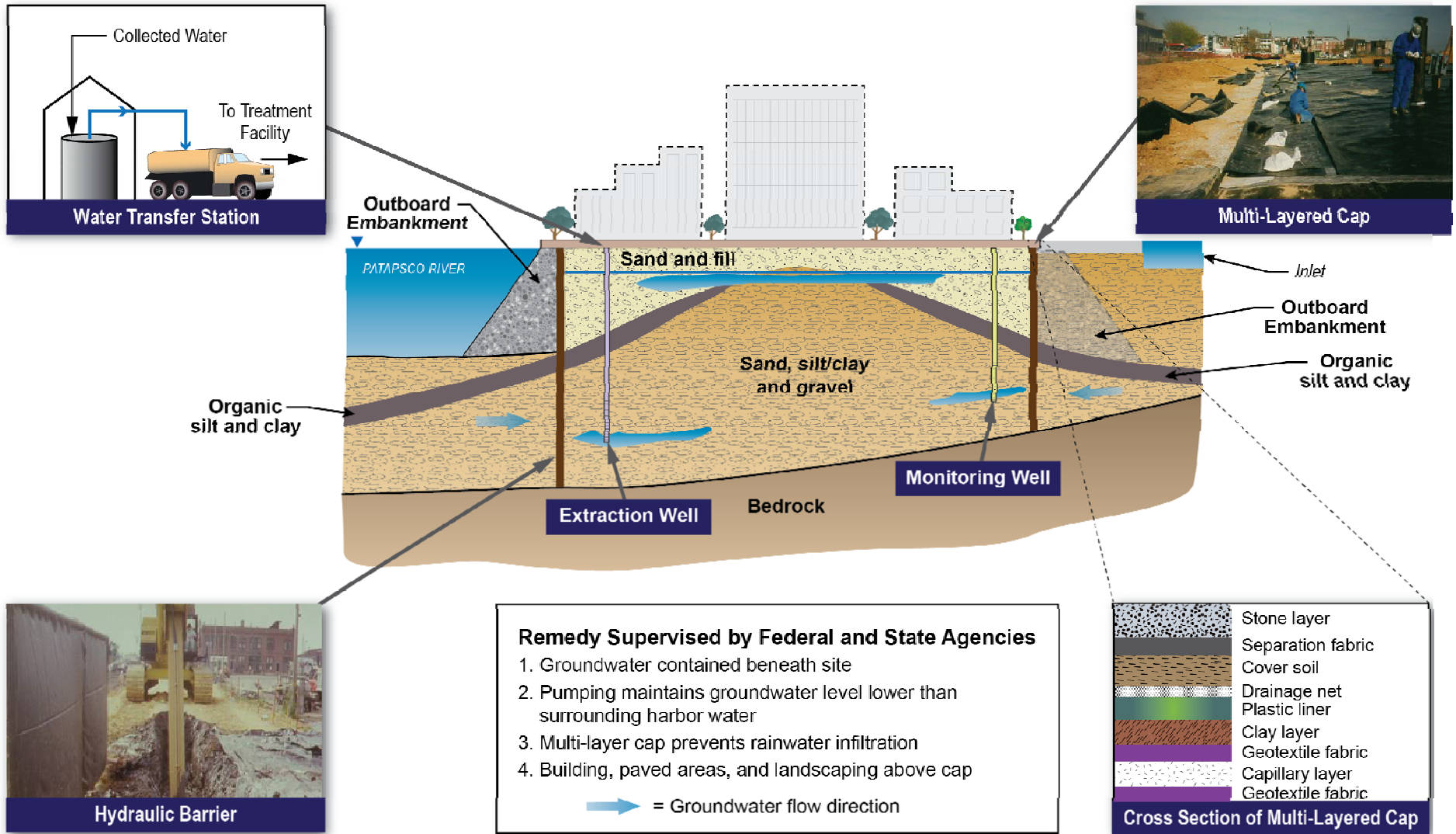
Today

Harbor Point – A Model Remediation

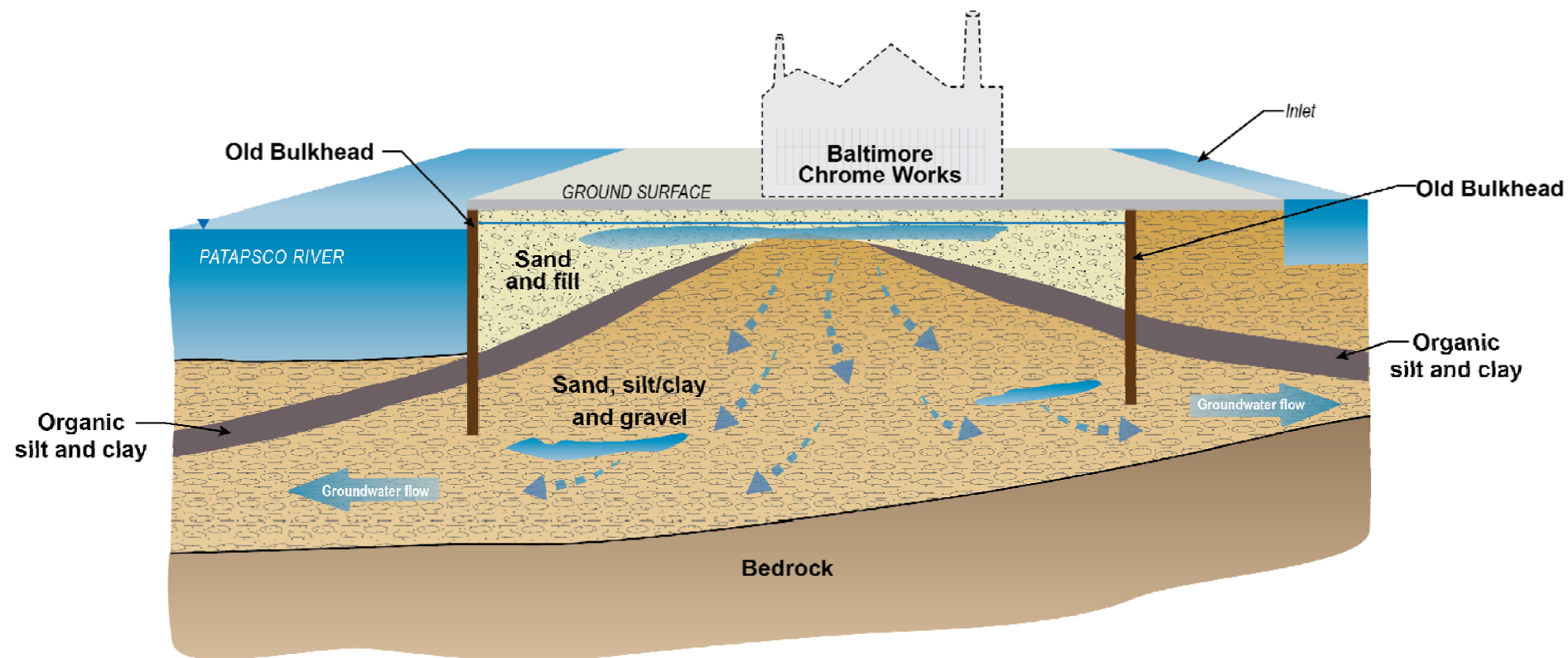


- \$110 million cleanup lauded as model of EPA land revitalization program
- About 8,000 samples below government criteria
- Remedy planned for redevelopment
- Consent Decree requirements ensure protection of human health and environment during remedy and redevelopment

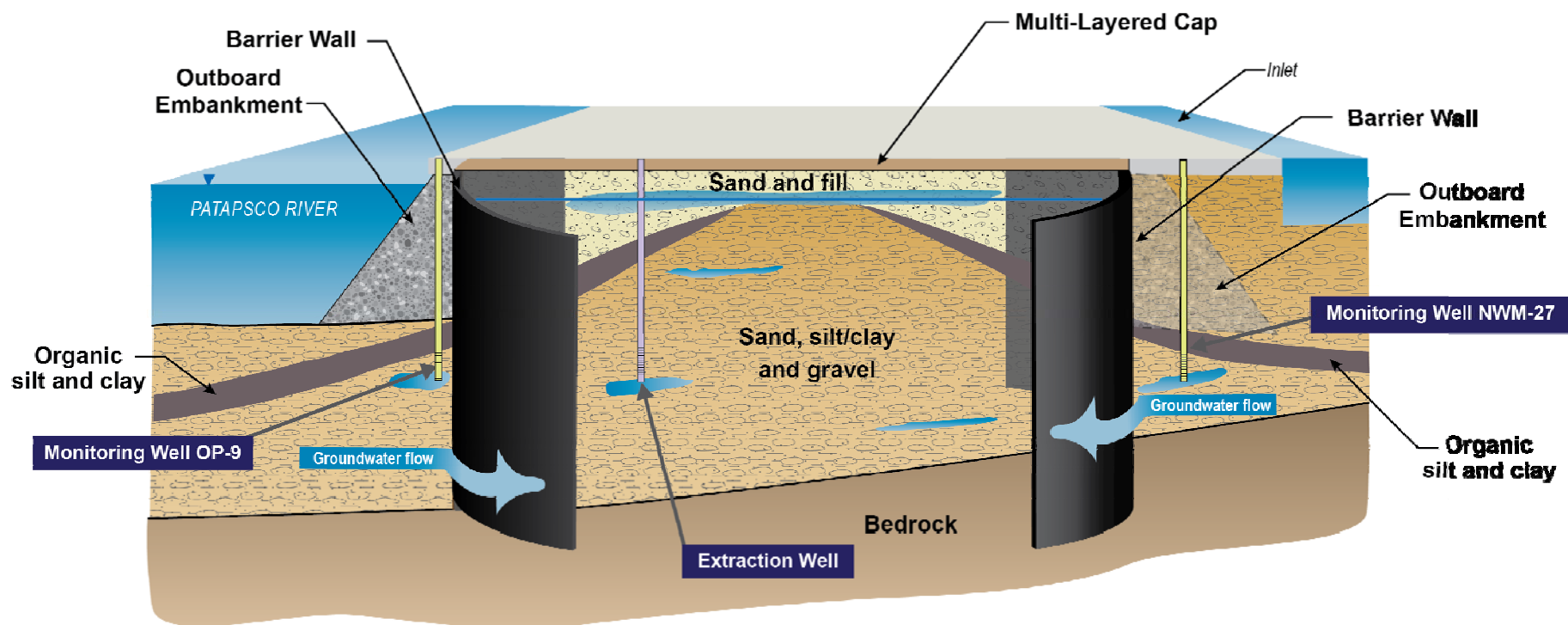
Extensive Environmental Cleanup Paves Way for Development



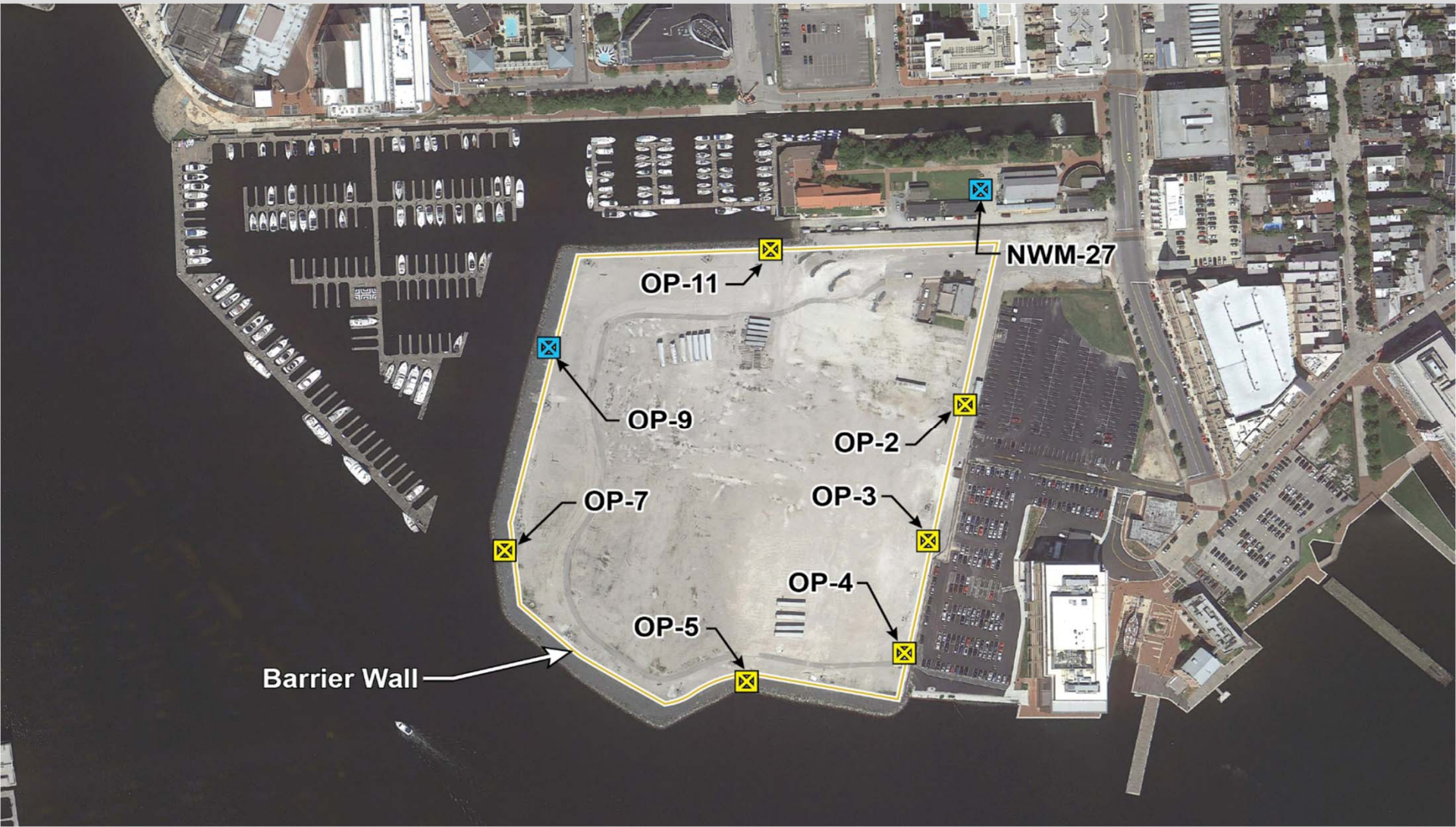
Before Remedy Implementation



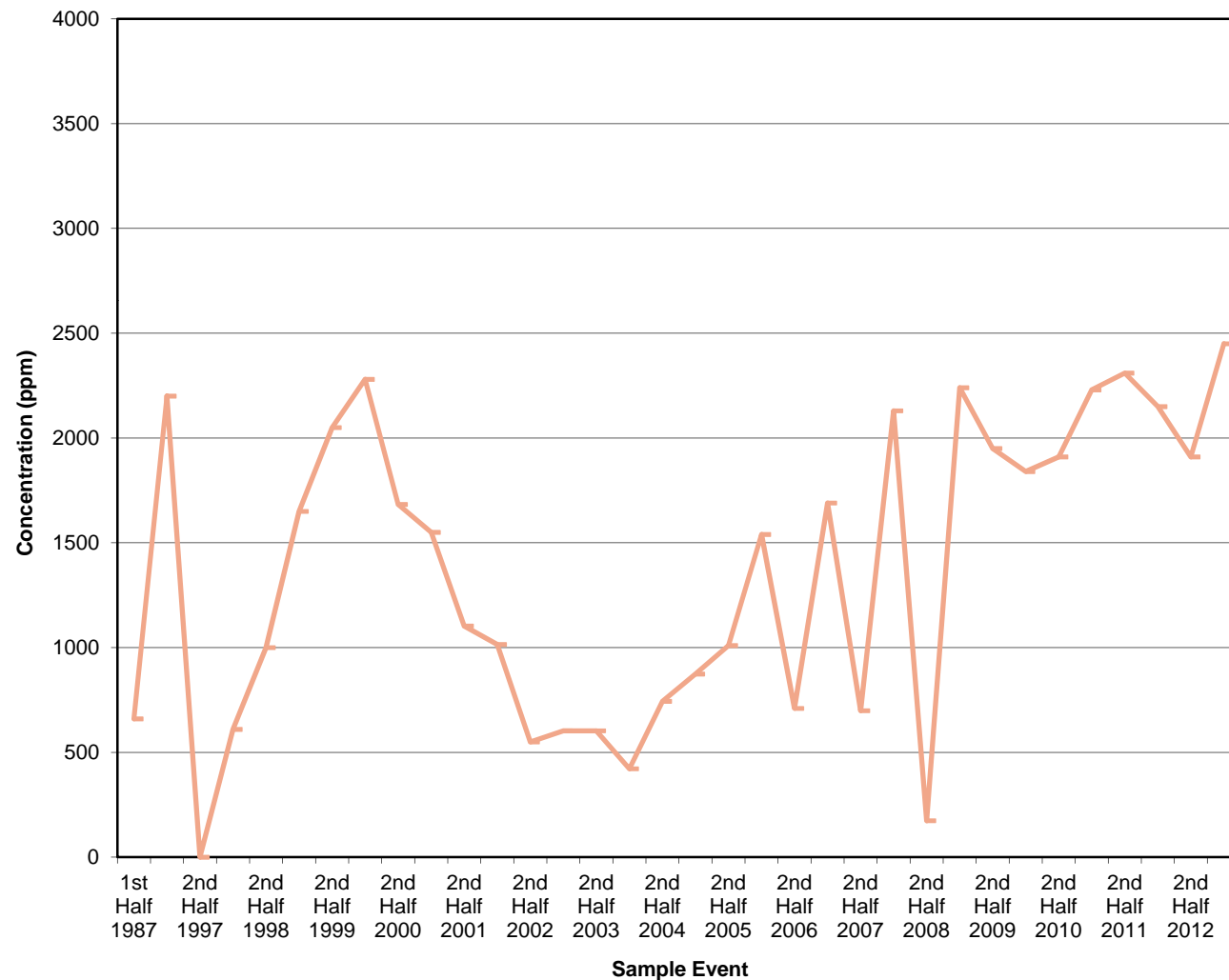
After Remedy Implementation



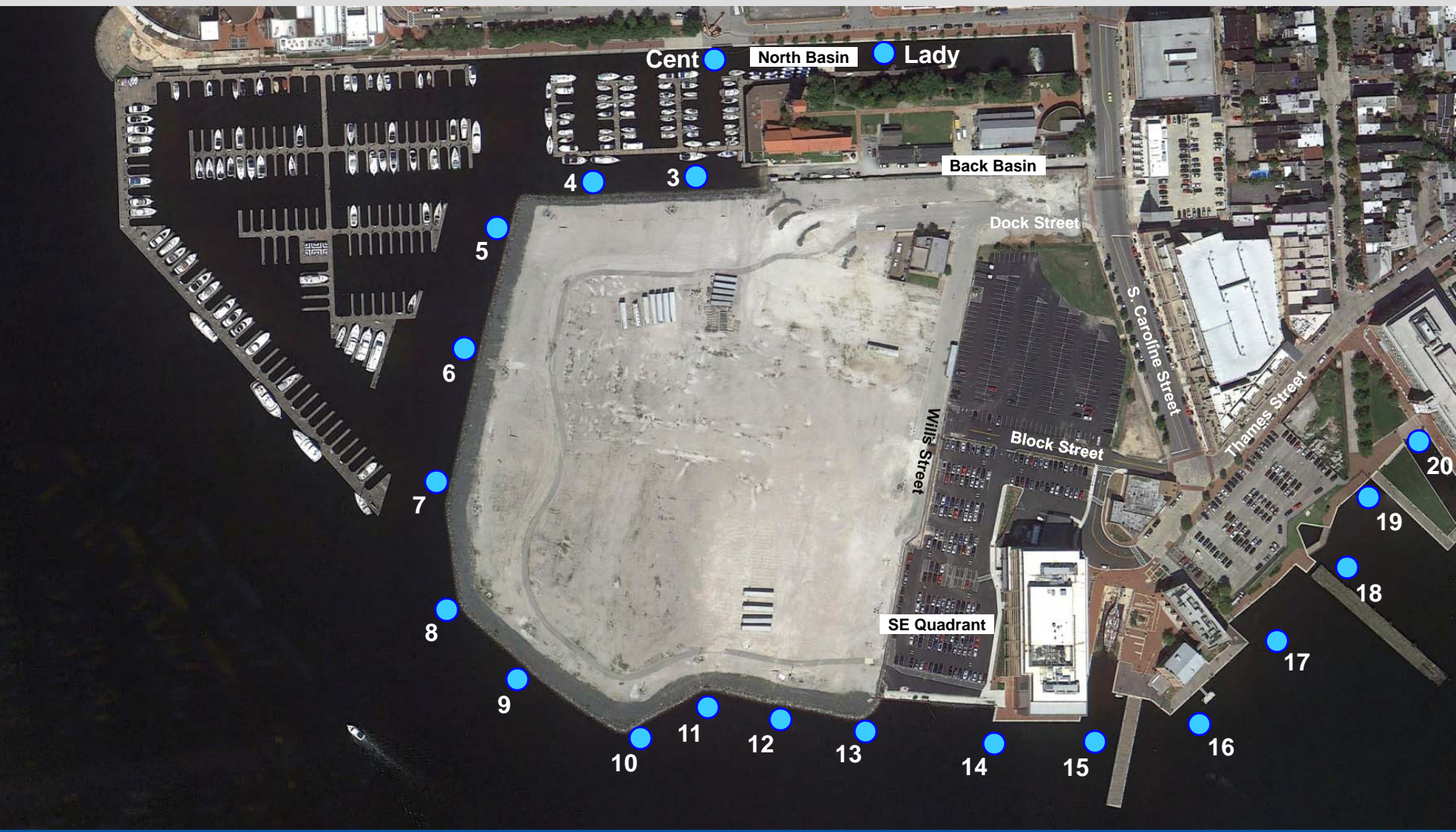
Groundwater Monitoring Locations



Chromium Concentrations in Groundwater Monitoring Well NWM-27



Surface Water Monitoring Locations



Surface Water Monitoring Results

